

ABSTRACT OF THE DISCLOSURE

The present invention has as its object to provide a projection type image display apparatus such as a liquid crystal projector which keeps the
5 uniformity of brightness and the feeling of sharpness and yet achieves a high quality of image called a high dynamic range. When movable stripe stop 20a disposed at a position whereat an integrator light source image is projected is
10 stopped down to thereby make the amount of projection light small, the projection of unnecessary leak light or scattered light from a light modulating element P from a projection optical system PL1 is suppressed and a firm black
15 display is provided. So, the amount of projection light is controlled in conformity with the maximum luminance level of an input image signal to thereby expand the display dynamic range after a uniform brightness distribution is maintained by
20 the contrast between maximum luminance display and the firm black display. Also, the write signal of the light modulating element is modulated in conformity with the control of the amount of projection light, whereby it becomes possible to
25 expand the display dynamic range while compensating for the display luminance level.